Applicant(s)/Patent under Reexamination Application/Control No. Index of Claims 10/821,679 TAN, BARRIE Examiner Art Unit 1655 Michael V. Meller (Through numeral) Cancelled Rejected

Restricted

**Allowed** 

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| _ | Interference | 0 | Objected |

|              | laim // Date |              |          |                |                                     |              | 1            | Cla          | im              | Date     |              |  |          |          |          |                |          |          |          | Cl       | aim        | Date     |    |              |            |               |                         |          |               |          |                 |          |               |              |
|--------------|--------------|--------------|----------|----------------|-------------------------------------|--------------|--------------|--------------|-----------------|----------|--------------|--|----------|----------|----------|----------------|----------|----------|----------|----------|------------|----------|----|--------------|------------|---------------|-------------------------|----------|---------------|----------|-----------------|----------|---------------|--------------|
|              |              |              |          |                |                                     |              |              | 1            | - O16           |          | <del> </del> | Date   |          |          |          |                |          |          |          |          | <u> </u>   | $\vdash$ |    |              | _          |               | Ť                       |          | $\overline{}$ | Г        |                 |          |               |              |
| Final        | Original     | 13           | -        |                |                                     |              |              |              |                 |          |              | Final  | Original |          |          |                |          |          |          |          |            |          |    | Final        | Original   |               |                         |          |               |          |                 |          |               |              |
|              | 1            | T            | $\vdash$ | Т              | $\vdash$                            | T            | 1            | 1            |                 |          | 1            | -  | 51       | Ė        | T        |                |          |          |          |          |            | 7        | Ì  |              | 101        |               |                         |          |               |          | $\vdash$        |          |               | $\vdash$     |
|              | 2            | Т            |          | T              | 1                                   | T            | $\vdash$     | $\vdash$     |                 |          | 1            |  | 52       | $\vdash$ | Г        |                |          |          |          |          | $\neg$     | $\neg$   | Ì  |              | 102        |               | П                       |          |               | ┢        | Т               | $\vdash$ |               | Г            |
|              | 3            | T            | Т        | Г              | П                                   | Т            | $\vdash$     | $\vdash$     |                 |          | i            |  | 53       | $\vdash$ | $\vdash$ | T              |          |          |          |          |            | 7        | Ì  | -            | 103        | $\overline{}$ | П                       |          |               | Г        |                 |          | Г             | Г            |
|              | 4            | T            | し        | Г              |                                     | T            | T            | 1            |                 | _        | ĺ            |  | 54       | T        | Г        |                |          |          |          |          | $\neg$     | 7        | Ì  |              | 104        |               |                         |          |               | Т        |                 |          | Г             | Г            |
|              | 5            | V            | <u></u>  |                | П                                   |              |              |              |                 |          | ĺ            |  | 55       | T        |          | Г              | Г        |          | $\neg$   |          |            | ╗        | ı  |              | 105        |               | П                       |          |               | _        |                 |          | Г             | Г            |
| <b>—</b>     | 6            | 1            |          |                |                                     | $\vdash$     |              | T            |                 |          | 1            |  | 56       | T        |          |                | T        |          | ╗        |          | T          | 7        | ı  |              | 106        | _             |                         |          |               | _        |                 | П        | $\overline{}$ | Г            |
|              | 7            | V            |          |                | $\vdash$                            |              |              | $\vdash$     | П               |          |              |  | 57       | T        |          | Г              |          |          |          |          | $\neg$     | 7        | ı  |              | 107        |               | П                       |          |               | Г        |                 | П        | $\Box$        | $\vdash$     |
|              | 8            | 1            |          | <u> </u>       |                                     |              |              |              | П               |          | 1            |  | 58       |          |          | П              |          |          |          |          |            | 7        | Ī  |              | 108        |               |                         |          |               |          |                 |          | Г             | Г            |
|              | 9            |              | ,        |                |                                     |              |              |              |                 |          | 1            |  | 59       |          |          |                |          |          |          |          | Ì          | 7        | ı  |              | 109        |               |                         |          |               |          |                 |          |               |              |
|              | 10           | W            | 1        |                |                                     | Π            |              |              |                 |          |              |  | 60       |          |          |                |          |          |          |          |            | 7        | ı  |              | 110        |               |                         |          |               |          |                 |          | П             |              |
|              | 11           | П            |          |                |                                     |              |              |              | П               |          | 1            |  | 61       | Ī        |          |                |          |          | $\neg$   |          |            | ╗.       | Ì  |              | 111        |               |                         |          |               |          |                 |          | $\Box$        |              |
|              | 12           | $\prod$      |          |                |                                     | L            |              |              |                 |          |              |  | 62       |          |          |                |          |          |          |          |            |          | ſ  |              | 112        |               |                         |          |               |          |                 |          |               |              |
|              | 13           |              |          |                |                                     |              | 匚            |              |                 |          | ]            |  | 63       |          |          |                |          |          |          |          |            |          |    |              | 113        |               |                         |          |               |          |                 |          |               | 匚            |
|              | 14           | V            |          |                |                                     |              |              |              |                 |          |              |  | 64       |          |          |                |          |          | $\Box$   |          |            |          |    |              | 114        |               |                         |          |               |          |                 |          |               |              |
|              | 15           | V            |          |                |                                     | 匚            | $\Box$       |              | $\Box$          |          |              |  | 65       | 匚        |          |                |          |          |          |          |            |          |    |              | 115        |               |                         |          |               |          |                 |          |               |              |
|              | 16           | 14           |          |                |                                     | 匚            | 匚            |              |                 |          |              |  | 66       |          |          |                |          |          |          |          |            |          |    |              | 116        |               |                         |          |               |          |                 |          |               |              |
|              | 17           | Ц            | _        |                |                                     | L            | <u> </u>     | _            | Ш               |          | *            |  | 67       | L        | $\Box$   |                |          |          |          |          |            | ╝,       |    |              | 117        |               | Ш                       |          |               |          |                 |          |               |              |
|              | 18           | Ц            |          |                |                                     | L            | L            |              | Ш               |          |              |  | 68       | L        |          |                |          |          |          |          |            |          | L  |              | 118        |               |                         |          |               |          |                 |          |               | Ĺ            |
|              | 19           | Ш            | L_       |                | <u> </u>                            | L            | L            |              | Ш               |          |              |  | 69       | L        | L        |                | Щ        |          | $\Box$   |          |            |          | L  |              | 119        |               |                         |          |               |          |                 |          |               |              |
|              | 20           | Ц            |          |                | L                                   | L            | L            |              |                 | $\Box$   |              |  | 70       |          |          |                |          |          |          |          |            |          | L  |              | 120        |               | Ш                       |          |               | L        |                 |          | L             |              |
|              | 21           | Ш            | <u></u>  | $\Box$         | Щ                                   |              | $oxed{oxed}$ | 乚            | Ш               |          |              |  | 71       | 匚        |          | L              | Ш        | _        |          |          |            | _        | L  |              | 121        |               | Ш                       |          |               |          |                 |          |               |              |
|              | 22           | Ш            |          | _              | 匚                                   | <u> </u>     | ╙            | <u> </u>     | Ш               |          |              |  | 72       | _        |          | Ш              | Ш        | _        |          |          | _          | _        | L  |              | 122        |               | Ш                       |          |               |          |                 |          | L_'           | 乚            |
|              | 23           | Ш            | ╙        |                |                                     |              |              | ┖            | Ш               |          |              | lacksquare                                       | 73       | L        | L        | oxdot          |          |          | _        | _        |            | _        | L  |              | 123        |               | Щ                       |          |               |          |                 |          |               |              |
|              | 24           | Ш            | _        |                |                                     |              |              | L            |                 |          |              |  | 74       |          |          | $oxed{oxed}$   |          |          | _        |          |            | _        | L  |              | 124        |               |                         |          |               |          |                 |          |               | _            |
|              | 25           | Щ            | L        |                |                                     | <u> </u>     | <u> </u>     | <u> </u>     | Ш               |          | 1            |  | 75       | L        |          | Щ              |          |          |          |          |            | _        |    |              | 125        |               | Ш                       |          |               |          |                 |          | $\sqcup$      | _            |
|              | 26           | Ц            | L_       |                | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>     | _            | $oxed{oxed}$ | Ш               | Щ        |              | Щ  | 76       | L        |          |                |          |          | _        | _        | _          | _        | L  | $\Box$       | 126        |               |                         |          |               |          | L.,             |          | Ш             | _            |
|              | 27           | Ш            | <u> </u> |                | L                                   | L            | _            | <u> </u>     | Ш               | Щ        |              |  | 77       | <u> </u> |          |                |          | _        | _        | _        | _          | _        | L  |              | 127        |               | Ш                       |          |               |          |                 |          | ш             | ┖            |
|              | 28           | Ц,           | _        |                | _                                   | _            | Ш            | 匚            | Ш               | Ц        |              | ļ  | 78       | _        |          |                | Щ        | _        | _        |          | _          |          | ŀ  |              | 128        |               | Щ                       |          | _             |          |                 |          | $\sqcup$      | L            |
|              | 29           | V            | /        |                | <u> </u>                            | <u> </u>     | <u> </u>     | <u> </u>     | Ш               | _        |              | $\vdash$   | 79       | <u> </u> |          | L              | Щ        | _        | _        | _        | <b></b>  - | 4        | 1  |              | 129        |               | Ш                       |          |               | _        | Щ               |          | $\sqcup$      | L_           |
|              | 30           | 4            | _        |                | _                                   | _            | <u> </u>     | _            | Ш               | _        |              | <u> </u>   | 80       | _        |          | L.             |          | _        | _        | _        | _          | -        | Ļ  |              | 130        | _             | Ш                       |          |               | _        |                 |          | $oxed{oxed}$  | _            |
|              | 31           | 1            |          |                | _                                   | L            | <u> </u>     | <u> </u>     | Н               |          |              |  | 81       | _        |          |                |          |          | _        |          | _          | ┩,       | ١, |              | 131        | _             | Ш                       | _        | _             | <u> </u> |                 | _        | ш             | <u> </u>     |
|              | 32           | ₩            | _        | _              | _                                   | -            | _            | _            |                 | $\dashv$ |              | -  | 82       | _        |          | _              |          |          |          | _        | _          | Щ.,      | Ļ  |              | 132        | _             | $\sqcup$                |          |               |          | Ш               |          | لــــا        | ╙            |
|              | 33           | H-           | <u> </u> | $\vdash$       | $\vdash$                            | <del> </del> | <del> </del> | 1            | Н               | $\dashv$ |              | $\vdash \vdash \mid$                             | 83       | $\vdash$ | $\vdash$ |                | Н        | $\dashv$ | $\dashv$ | -        | $\dashv$   | $\dashv$ | ŀ  |              | 133        |               | $\square$               |          |               | <b> </b> | Ш               |          | ш             | $\vdash$     |
| <u> </u>     | 34<br>35     | +            | $\vdash$ | Н              | -                                   | -            | <u> </u>     |              | ⊢┤              |          |              | $\vdash$   | 84       | $\vdash$ | Н        | Н              | $\dashv$ |          |          |          | +          | Η΄       | ŀ  | -            | 134        | _             | $\vdash \vdash$         |          | -             | <u> </u> | Ш               | $\vdash$ | <b></b>       | <del> </del> |
| <u> </u>     |              | ₩-           | <u> </u> | $\vdash\vdash$ | $\vdash$                            | ┝            | $\vdash$     | $\vdash$     | $\vdash \vdash$ | $\dashv$ |              | $\vdash$   | 85       | H        | $\vdash$ | $\vdash$       | $\vdash$ |          | -        |          | +          | $\dashv$ | ŀ  |              | 135        |               | $\mid \rightarrow \mid$ |          |               | <u> </u> | Н               |          | $\vdash$      | <u> </u>     |
| <del> </del> | 36           | V            | <u> </u> | Н              | $\vdash$                            | ├-           | <del> </del> | $\vdash$     | $\vdash \vdash$ |          |              |  | 86       | <u> </u> | $\vdash$ |                | $\vdash$ | $\dashv$ | -        |          | -+         | 4        | -  |              | 136        |               | $\vdash$                | _        | $\vdash$      | _        | Н               | $\dashv$ | !             | _            |
|              | 37           |              | -        | Н              | $\vdash$                            | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash \vdash$ | $\dashv$ |              |  | 87       | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$ |          | $\dashv$ |          | $\dashv$   | $\dashv$ | 1  |              | 137        |               |                         |          |               |          | Щ               |          |               | <u> </u>     |
| <u> </u>     | 38           | N            | $\vdash$ | Н              | H                                   | $\vdash$     | $\vdash$     | -            | $\vdash$        | $\dashv$ |              |  | 88       | <u> </u> |          | $\vdash$       | $\vdash$ |          | $\dashv$ |          | +          | $\dashv$ | ŀ  |              | 138        |               | $\vdash$                | _        |               |          | Щ               | <u> </u> |               | <b>—</b>     |
| <del> </del> | 39<br>40     | N            | _        | $\vdash$       | $\vdash$                            | ├-           |              | $\vdash$     | $\vdash \vdash$ |          |              | $\vdash$   | 89       |          |          | Н              | $\dashv$ |          |          | -        | $\dashv$   | -        | ŀ  | $\dashv$     | 139        | _             | $\vdash$                | -        | _             | -        |                 | -        |               | <u> </u>     |
|              | 41           | V            |          | $\vdash$       | Н                                   | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash \vdash$ | $\dashv$ |              |  | 90<br>91 | <u> </u> | $\dashv$ | $\vdash\vdash$ | $\dashv$ | -        | -        |          | $\dashv$   | 4        | -  | -            | 140<br>141 |               | $\vdash$                |          |               |          |                 |          | -             | <u> </u>     |
| _            | 41           | -            | $\vdash$ | $\vdash$       | $\vdash$                            | -            |              | -            |                 |          |              |  | 92       |          |          | $\vdash$       |          |          | -+       | $\dashv$ | +          | - .      | ŀ  |              |            | $\dashv$      | $\vdash \vdash$         |          | -             | $\vdash$ | Н               |          | $\dashv$      | H            |
| $\vdash$     | 43           | $\vdash$     | -        | -              | $\vdash$                            | $\vdash$     | -            | -            | $\vdash \vdash$ |          |              | $\vdash$   | 93       | <u> </u> | $\dashv$ |                |          | ᅱ        | $\dashv$ | -        | +          | -        | -  |              | 142<br>143 |               | $\vdash \vdash$         |          | -             | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$      | $\vdash$     |
| $\vdash$     | 44           | <del> </del> | $\vdash$ | $\dashv$       | $\vdash$                            | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash \vdash$ | $\dashv$ |              | <del>                                     </del> | 94       | $\vdash$ | -        | $\dashv$       |          | $\dashv$ | $\dashv$ | $\dashv$ | +          | $\dashv$ | ┢  | $\dashv$     | 144        | $\dashv$      | $\dashv$                |          | -             | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$      | -            |
|              | 45           | $\vdash$     | $\vdash$ | $\vdash$       | Н                                   | -            | $\vdash$     | Н            | $\vdash$        | -        |              | $\vdash$   | 95       | Н        | $\dashv$ | $\dashv$       | $\vdash$ | $\dashv$ | -+       |          | +          | +        | +  |              | 145        | -             | $\vdash$                | $\dashv$ | $\dashv$      | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$      |              |
|              | 46           | $\vdash$     |          | $\dashv$       | $\vdash$                            | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$        | $\dashv$ | .            | $\vdash \vdash \vdash$                           | 96       | $\vdash$ | $\vdash$ | $\vdash$       |          | $\dashv$ | $\dashv$ | $\dashv$ | +          | Ę        | ŀ  |              | 146        | -             | $\vdash$                | $\dashv$ | $\dashv$      | $\vdash$ | Н               | -        | $\dashv$      | <u> </u>     |
| H            | 47           | -            |          | -              | $\vdash$                            |              | $\vdash$     | $\vdash$     | $\vdash$        | $\dashv$ |              |  | 97       | $\vdash$ | $\dashv$ |                |          | $\dashv$ | -+       | $\dashv$ | $\dashv$   | $\dashv$ | H  |              | 147        | -             |                         | $\dashv$ | $\dashv$      | $\dashv$ | $\vdash \vdash$ |          |               | -            |
|              | 48           |              |          | $\dashv$       | $\dashv$                            | $\vdash$     | H            | $\vdash$     | $\vdash$        | $\dashv$ |              |  | 98       | $\vdash$ | $\dashv$ | -              | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | .        | ŀ  |              | 148        |               | $\dashv$                | $\dashv$ | $\dashv$      | -        | $\vdash$        | $\dashv$ | $\dashv$      | -            |
|              | 49           | $\vdash$     |          | $\dashv$       | $\dashv$                            | $\vdash$     | H            | H            | $\vdash$        | $\dashv$ |              |  | 99       | Н        | -        | $\dashv$       | -        | $\dashv$ | +        | -        | +          | $\dashv$ | H  | $\dashv$     | 149        | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$      |          | $\vdash$        | -        |               | _            |
| $\vdash$     | 50           | $\vdash$     |          | -              | $\dashv$                            | $\vdash$     | H            | $\vdash$     | $\vdash \vdash$ | $\dashv$ |              | $\vdash$   | 100      | $\vdash$ | $\dashv$ | $\dashv$       |          | $\dashv$ | +        | $\dashv$ | +          | $\dashv$ | ŀ  | <del> </del> | 150        | -             | $\dashv$                | -        |               | -        | ├─┤             | -        | $\dashv$      | $\vdash$     |
| لـــــا      | _JU_         | Щ.           |          |                |                                     | ш            |              | ш            | Ш               |          | - 1          | لــــــــــــــــــــــــــــــــــــــ          | 100      |          |          |                |          |          |          |          | L          |          | L  |              | 130        |               |                         |          |               |          |                 |          |               |              |